ABSTRACT

The present invention provides: a method for producing high silicate glass which has a low Fe concentration and can achieve a high UV transmittance while retaining advantages of Vycor glass that mass-production at low cost is feasible and that complex formation with various photofunctional ions can be effected; and high silicate glass of a high UV transmittance. For obtaining the above high silicate glass, the method is characterized by comprising the steps of: heating borosilicate glass including a heavy metal or rare-earth element (preferably a high-valence heavy metal or rare-earth element) so as to phase-separate the borosilicate glass; subjecting the phase-separated borosilicate glass to acid treatment so as to elute a metal; and sintering the acid-treated borosilicate glass.